| Index o | f Claims |
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| App | lica | tion | /Co | ntrol | No. |
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10/561,823 Examiner

Michele K. Joike, Ph.D.

Applicant(s)/Patent under Reexamination

HANSEN ET AL.

Art Unit

1636

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| Γ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date         |              |          |          | )        | Claim Date |            |   |              |   |              |          |          |                | C        | aim      | Date     |          |          |          |          |          |            |          |   |   |   |          |              |          |          |          |
|----------|----------|--------------|--------------|----------|----------|----------|------------|------------|---|--------------|---|--------------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---|---|---|----------|--------------|----------|----------|----------|
| Oie      |          | 7            | _            | _        | Г.       | <u> </u> | Ť          | 1          | 1   | Г            |   |              |          |          |                |          |          |          |          |          | T        | $\vdash$ |          |            | <u> </u> |   |   | 1 |          |              |          |          |          |
| Final    | Original | 40/0/1       |              |          |          |          |            |            |   |              |   | Final        | Original |          |                | -        |          |          |          |          |          |          | Final    | Original   |          |   |   |   |          |              |          |          |          |
|          | 1        | 2            |              |          | F        | Г        |            |            | Г   |              | 1 |              | 51       |          |                |          |          | $\neg$   |          |          |          | _        |          | 101        | П        |   |   |   |          |              |          |          |          |
|          | 2        | İΤ           |              | $\vdash$ | _        | Г        |            | <b>-</b>   | 1   | H            | l | $\vdash$     | 52       |          |                |          |          | $\neg$   | 7        | $\neg$   | -        | _        |          | 102        | П        |   | _ |   |          |              |          | $\neg$   | ヿ        |
|          | 3        | H            |              | $\vdash$ | _        |          | 一          | ┢          | Т   |              |   |              | 53       |          | H              |          |          | 寸        | $\dashv$ |          | -        |          |          | 103        | Н        |   | _ |   |          | Н            |          |          | $\neg$   |
|          | 4        | H            |              | _        | -        | Г        | $\vdash$   | † <u> </u> | $\vdash$  | -            |   | $\vdash$     | 54       |          | Н              | $\dashv$ |          |          | -        | $\neg$   | $\neg +$ | _        |          | 104        | Н        |   |   | Н |          |              |          | $\neg$   | _        |
|          | 5        | H            | -            | -        | -        | ┢        | -          | $\vdash$   | -   | $\vdash$     | 1 |              | 55       | -        | Н              |          | $\neg$   | -        | _        | $\dashv$ | $\dashv$ |          |          | 105        | Н        |   |   |   | -        |              |          | $\neg$   | $\dashv$ |
|          | 6        | Н            | $\vdash$     | ┢        | -        | $\vdash$ | ┢          | ╁          | -   | _            |   | $\vdash$     | 56       | -        | Н              | -        | -        | -        | +        |          | $\dashv$ | -        |          | 106        |          |   | _ |   | -        | Н            |          | $\neg$   | $\dashv$ |
|          | 7        | Н            | $\vdash$     | $\vdash$ | -        | ┢╌       | ⊢          | ╁          | H   | -            |   | $\vdash$     | 57       | $\vdash$ | Н              | $\dashv$ | $\dashv$ | 一        | $\dashv$ | $\dashv$ | $\dashv$ | _        |          | 107        | Н        | - |   | Н |          | -            | $\dashv$ | $\dashv$ | $\dashv$ |
| -        | 8        | ╁            | $\vdash$     | ┝        | ⊢        | $\vdash$ | ├          | ╁          | ├-  | -            |   | <del> </del> | 58       |          | Н              | -        | -        | $\dashv$ | -        | $\dashv$ |          | ┤`       | $\vdash$ | 108        | $\vdash$ |   |   | - | -        | -            | -        | $\dashv$ | -        |
| $\vdash$ | 9        | ╁┼           | <del> </del> | -        | -        | ├        | ⊢          | ╁╌         | -   | <del> </del> |   | $\vdash$     | 59       | -        | -              |          |          |          | -        |          | -        |          | -        | 109        |          |   | - | - |          |              | $\dashv$ |          |          |
| <u> </u> | 10       | H            | $\vdash$     | ┝        | ⊢        | ⊢        | ⊢          | ┢          | ╁   | $\vdash$     |   | ├─           | 60       |          | Н              | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | -        | 110        |          | Н |   | Н | $\dashv$ | Н            | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 11       | ╁            | <del> </del> | -        | -        | $\vdash$ | ⊢          | ├          | ╁   | -            |   | <del> </del> | 61       | -        | Н              |          | $\dashv$ |          | -        |          |          |          | -        | 111        | H        | Н | _ | Н |          | -            | $\dashv$ | -        |          |
| $\vdash$ | 12       | ╁┼           | <del> </del> |          | -        | -        | ⊢          | -          | -   | $\vdash$     | 1 |              | 62       | -        | -              | _        | -        |          | -        |          | $\vdash$ |          |          | 112        |          |   |   | _ | _        |              |          | _        | -        |
| ├—       |          | ₩            | -            |          |          | -        | ├          | ├          | -   |              |   | <u> </u>     |          | -        |                | -        | $\dashv$ |          | $\dashv$ | -        | -        | $\dashv$ |          | 113        | -        |   |   |   |          |              | $\vdash$ | -        | $\dashv$ |
| <u> </u> | 13       | <u> </u>     | -            |          | $\vdash$ | $\vdash$ | ⊢          | ├          | ├   | -            |   | <del> </del> | 63<br>64 |          | $\vdash\vdash$ | $\vdash$ |          | -        | $\dashv$ |          | $\vdash$ | $\dashv$ | <u> </u> | 113        | <u> </u> |   |   |   |          | $\vdash$     |          |          | $\dashv$ |
| <u> </u> |          | 7            | ⊢            | ┝        | ⊢        | ⊢        | ⊢          | ┢          | <del> </del>  | _            |   | <u> </u>     | 65       |          | Н              |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | <u> </u> |            |          |   |   |   |          |              |          | _        | $\dashv$ |
| <u> </u> | 15       | ₩            | _            | _        | <u> </u> | _        | ⊢∸         |            | -   |              |   | ├            |          |          |                |          | -        |          | _        | _        | $\dashv$ |          | -        | 115<br>116 | <u> </u> | - | _ | _ | =        | Н            |          | _        | $\dashv$ |
|          | 16       | 1-1-         | <u> </u>     | -        | -        | _        | ⊢          | -          | 1   |              |   | <u> </u>     | 66       | _        | $\vdash$       | _        | $\dashv$ | $\dashv$ | -        | _        | -        |          | -        | 116        |          |   |   | _ |          | -            |          | _        | $\dashv$ |
|          | 17       | ₩            | <u> </u>     | <u> </u> | ⊢        | _        | ⊢          | <u> </u>   | <u> </u>  | H            |   | <u> </u>     | 67       |          | Н              |          | $\dashv$ |          | $\dashv$ |          | -        |          |          | 117        | _        |   |   |   |          | -            |          |          | $\dashv$ |
| <u> </u> | 18       | Н-           | <u> </u>     | _        | _        | <u> </u> | ⊢          | ┡          | ├_  | <u> </u>     | l | <u> </u>     | 68       |          |                | _        | -        |          | -        | -        |          |          | -        | 118        | _        | - | _ |   | Щ        | L            | _        | _        | $\dashv$ |
|          | 19       |              | -            | ļ        | <u> </u> | -        | ┡          | <u> </u>   | ┡   | L            |   |              | 69       |          |                | _        | $\dashv$ | _        | -        | _        | -        | _        | <u> </u> | 119        | $\vdash$ |   |   |   | _        | _            |          |          |          |
| <u> </u> | 20       | ÷            | <u> </u>     | _        | <u> </u> | _        | $\vdash$   | ļ          | <u> </u>  |              |   | <u> </u>     | 70       |          | $oxed{oxed}$   | -        |          | _        | _        |          |          | _        | <u> </u> | 120        |          |   | _ |   | Ш        | _            | _        |          |          |
| <u> </u> | 21       | _            | _            | _        | _        | L.       | ┖          | <u> </u>   | ▙   | L.           |   |              | 71       |          |                |          |          | 4        | 4        | _        |          | _        | <u> </u> | 121        |          |   |   | Ш |          |              |          |          |          |
| <u></u>  | 22       | _            | <u> </u>     | _        | _        | L        | <u> </u>   | <u> </u>   | <u> </u>  | <u> </u>     |   | L            | 72       |          |                | _        |          | _        | _        | _        |          | _        |          | 122        |          |   |   |   |          | _            |          |          |          |
| <u></u>  | 23       | <u> </u>     | _            | <u> </u> | _        | _        | <u> </u>   | <u> </u>   | <u> </u>  | L            |   |              | 73       |          | $\Box$         |          |          | ᆜ        | _        | _        |          | _        |          | 123        |          |   | _ |   |          | _            |          |          |          |
|          | 24       | <u> </u>     | _            |          | _        |          | _          | <u> </u>   | <u> </u>  |              | ŀ |              | 74       |          | _              |          |          | _        | _        | _        | _        | _        |          | 124        |          |   |   |   |          | _            |          |          |          |
|          | 25       | $oxed{oxed}$ |              |          | <u> </u> | <u> </u> | <u> </u>   | <u> </u>   | _   | _            |   |              | 75       |          | Ш              |          |          | _        |          |          |          | _        | <u></u>  | 125        | 1        |   |   |   |          |              |          |          | _        |
|          | 26       | <u> </u>     | _            | _        | <u> </u> | _        |            |            | <u> </u>  |              |   |              | 76       |          |                |          | $\Box$   | _        |          |          |          | _        |          | 126        |          |   |   | L |          |              |          |          | _        |
|          | 27       | _            | _            | _        | _        | _        | <u> </u>   | ļ          | L   | _            |   |              | 77       |          |                |          |          | _        | _        | _        |          | _        |          | 127        |          |   |   | _ |          |              |          |          | _        |
|          | 28       | _            | L            |          | _        | ┖        | ┖          | <u> </u>   | <u> </u>  | <u> </u>     |   |              | 78       |          | $\Box$         | $\Box$   | $\Box$   |          |          | _        |          | _        |          | 128        |          |   |   |   |          | _            |          |          | $\dashv$ |
|          | 29       | L.           | _            | _        | L_       | L        |            | <u> </u>   | <u> </u>  |              |   | <u> </u>     | 79       |          | $oxed{oxed}$   |          | Ш        | _        | _        | _        |          | _        |          | 129        |          |   |   | _ |          |              | Ш        |          | _        |
|          | 30       | _            | _            | _        | _        | L        | L          | <u> </u>   | L   | L            |   |              | 80       |          |                |          |          | $\dashv$ | _        | $\Box$   |          | _        | L        | 130        |          |   | _ | L |          |              |          |          | _        |
|          | 31       |              | _            |          |          |          |            | L          | L   |              |   |              | 81       |          |                |          |          | _        | _        |          |          | _        |          | 131        |          |   |   |   |          |              | Ш        |          | _        |
| <u></u>  | 32       | <u> </u>     | L            | L        | _        |          | 乚          | <u> </u>   | L   |              |   |              | 82       |          | $oxed{oxed}$   |          |          | _        |          |          |          |          |          | 132        |          |   |   |   |          |              |          |          | _        |
| <u></u>  | 33       |              | <u> </u>     | <u> </u> | <u></u>  | L        |            |            |   | $oxed{oxed}$ |   |              | 83       |          | Ш              |          |          | _        |          |          |          | _        |          | 133        |          | Ш |   |   | Ш        | $oxed{oxed}$ |          |          |          |
| L        | 34       |              | L_           |          | <u> </u> | _        | _          | _          | _   |              |   |              | 84       |          | Ш              |          |          | ]        | _        |          |          | _        |          | 134        | <u> </u> |   |   |   |          |              | $\Box$   |          | $\Box$   |
| L        | 35       | <u> </u>     | _            |          | _        | <u> </u> |            | L          |   | $\square$    |   | L            | 85       | _        |                |          |          |          |          |          |          |          | <u></u>  | 135        |          |   |   |   |          |              |          |          | $\Box$   |
| $\Box$   | 36       | $oxed{oxed}$ | <u> </u>     | L_       |          |          |            | L          | $oxedsymbol{ox{oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{ox{oxedsymbol{ox{oxed}}}}}}$ |              |   |              | 86       |          |                | 1        |          |          |          |          |          |          |          | 136        |          |   |   |   |          |              |          |          | ]        |
|          | 37       |              |              |          |          |          | $\Box$     | 匚          | $\Box$  |              |   |              | 87       |          |                |          |          |          |          |          |          |          |          | 137        |          |   |   |   |          |              |          |          |          |
|          | 38       |              |              |          |          | 匚        | $L^-$      | $L^-$      | L   |              |   |              | 88       |          |                |          |          | $\Box$   | J        |          |          | ┚        |          | 138        |          |   |   |   |          |              |          |          |          |
|          | 39       |              |              |          |          |          | L          | $\Box$     |   |              |   |              | 89       |          |                |          |          |          | $\Box$   |          |          |          |          | 139        |          |   |   |   |          |              |          |          |          |
|          | 40       |              |              |          |          |          | $\Box$     |            |   |              |   |              | 90       |          |                |          |          |          |          |          |          |          |          | 140        |          |   |   |   |          |              |          |          |          |
|          | 41       |              |              |          |          |          |            |            |   |              |   |              | 91       |          |                |          |          |          | $\Box$   |          |          |          |          | 141        |          |   |   |   |          |              |          |          |          |
|          | 42       |              |              |          |          |          | Γ          | Г          |   |              |   |              | 92       |          |                |          |          |          |          |          |          |          |          | 142        |          |   |   |   |          |              |          |          |          |
|          | 43       |              |              |          |          |          |            |            |   |              |   |              | 93       |          |                |          |          |          |          |          |          |          |          | 143        |          |   |   |   |          |              |          |          |          |
|          | 44       |              |              |          |          |          |            |            |   |              |   |              | 94       |          |                |          |          | $\Box$   | $\Box$   |          |          |          |          | 144        |          |   |   |   |          |              |          |          |          |
|          | 45       | Г            | Г            |          |          | П        | Γ          | Г          | Г   |              |   |              | 95       |          | П              | $\Box$   | $\Box$   | 一        | $\neg$   | $\neg$   |          | $\neg$   |          | 145        |          |   |   |   |          | Г            | П        |          |          |
|          | 46       |              |              |          | _        | $\sqcap$ | Π          | $\vdash$   | Г   |              |   |              | 96       |          |                |          |          | $\neg$   | $\neg$   | $\neg$   |          |          |          | 146        |          |   | - |   |          |              | П        |          |          |
| ·        | 47       |              |              |          |          | Γ        | П          | Γ          | Г   |              |   |              | 97       |          |                |          |          |          | 一        |          |          | $\neg$   |          | 147        |          |   |   |   |          |              |          |          |          |
|          | 48       | Г            | Г            |          |          |          | Γ          | Г          | Г   |              |   |              | 98       |          | Г              |          |          |          | $\neg$   |          |          | $\neg$   |          | 148        |          | • |   |   | _        | Г            | П        |          |          |
|          | 49       | Г            |              |          | Г        |          | П          | Τ          |   |              |   |              | 99       |          |                |          | $\neg$   | $\neg$   | ヿ        | 一        | $\neg$   | $\neg$   |          | 149        |          |   |   |   | $\Box$   |              | П        |          |          |
|          | 50       |              |              |          |          | Γ        |            |            | Ι   |              |   |              | 100      |          |                |          |          |          | $\neg$   |          | $\Box$   | $\neg$   |          | 150        |          |   |   |   |          |              | П        |          |          |
|          |          |              |              |          |          |          |            |            |   |              |   |              |          |          |                |          |          |          |          |          |          |          |          |            |          |   |   |   |          |              |          |          |          |